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Attachment to Z-15848/82

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NPIC/IEG (09/82)

2 SEPTEMBER 1982

BENT LOG PERIODIC ZIGZAG ANTENNAS AT  
SARY-SHAGAN MISSILE TEST CENTER, USSR

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1. (SWN) SIGNIFICANCE: TWO LARGE BENT LOG PERIODIC ZIGZAG ANTENNAS ARE IN THE EARLY STAGES OF CONSTRUCTION AT SARY-SHAGAN MISSILE TEST CENTER. THEIR PURPOSE IS CURRENTLY UNKNOWN.

2. (SWN) REMARKS: SARY-SHAGAN BENT LOG PERIODIC ZIGZAG ANTENNA SOUTH IS UNDER CONSTRUCTION IN A SECURED AREA 1 NM SOUTH SOUTHWEST OF SARY-SHAGAN LAUNCH COMPLEX D [REDACTED]. THE ANTENNA CONSISTS OF TWO ARRAYS FORMING A LONG VEE PATTERN WITH [REDACTED] EACH ARRAY IS APPROXIMATELY 110 METERS LONG AND HAS 20 ANTENNA ELEMENT SUPPORTS, [REDACTED] THERE ARE FOOTINGS FOR SUPPORT MASTS ALONG ONE OF THE ARRAYS. [REDACTED]

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[REDACTED] GRADING FOR A POSSIBLE GROUND SCREEN, AND NINE SUPPORT VANS ARE ALSO PRESENT (GRAPHIC 1).

(SWN) SARY-SHAGAN BENT LOG PERIODIC ZIGZAG ANTENNA NORTH IS IN A VERY EARLY STAGE OF CONSTRUCTION 13 NM NORTH OF THE SOUTHERN ANTENNA AND 0.5 NM SOUTH SOUTHWEST OF SARY-SHAGAN TRACKING FACILITY 1 [REDACTED]. IT CONSISTS OF A SECURED AREA AND INITIAL GRADING FOR THE ANTENNA. THE GRADED AREA IS ALSO [REDACTED]

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(SWN) THESE ANTENNAS WHEN COMPARED TO THE BENT LOG PERIODIC ANTENNAS AT LODEYNOYE POLE (GRAPHIC 3) AND LENINGRAD [REDACTED] APPEAR TO BE SIMILAR IN DESIGN ALTHOUGH SOMEWHAT SMALLER. THE SPECIFIC FUNCTION OF THESE ANTENNAS IS ALSO UNKNOWN. [REDACTED]

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3. (S) [REDACTED] COORDINATES 45-47-39N 073-33-21E  
COORDINATES 46-00-30N 073-40-45E  
COORDINATES 60-42-30N 033-34-50E

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